

## **IN THE CLAIMS**

Claim 1 has been amended as follows:

1. (Currently amended) A diagnostic device comprising:  
an arrangement for generating raw data representing a volume of an object;  
a computer supplied with said raw data for calculating image data  
representing a three-dimensional image of said volume from said raw  
data;  
an imaging system connected to said computer and supplied with said image  
data for generating ~~input~~ image signals from said image data, said  
image signals representing said three-dimensional image of said  
volume ;  
an input device connected to said imaging system, and having a user-  
operable mouse;  
a display unit connected to said imaging system and supplied with said image  
data for displaying an said three-dimensional image of said volume  
~~containing said object dependent on said image data~~; and  
said imaging system allowing influencing of the display of said image on said  
display unit by a plurality of different control functions respectively  
uniquely associated with different predetermined movement directions  
of said mouse, said input device having a detector which detects a  
movement of said mouse in one of a said plurality of predetermined  
directions and said imaging system selecting the control function  
uniquely associated with said one of said plurality of said  
predetermined directions detected by said detector, to alter the display

of said three-dimensional image of said volume on said display unit, said different control functions that are uniquely associated with said different predetermined different movement directions of said mouse respectively being rotating said object in said three-dimensional image, zooming of said object in said three-dimensional image, rotating a clip plane in said three-dimensional image, and displacing a clip plane in said three-dimensional image.

Claims 2 and 3 have been cancelled

2-3. (Cancelled)

4. (Original) A diagnostic device as claimed in claim 1 wherein said detector automatically switches from one of said control functions to another of said control functions upon a brief actuation of said mouse in said one of said plurality of predetermined directions.

5. (Original) A diagnostic device as claimed in claim 1 wherein said detector comprises a detector for detecting four defined directions, respectively corresponding to different control functions, by gesture selection.

6. (Original) A diagnostic device as claimed in claim 1 wherein said plurality of predetermined directions are respectively oriented at angles of 45° relative to a Cartesian coordinate system.

7. (Original) A diagnostic device as claimed in claim 1 wherein, upon right-clicking of said mouse, said imaging system causes a text menu to be displayed on said display which symbolizes said plurality of predetermined directions and includes associated text explanations, and wherein said imaging system,

controlled by gesture selection using said mouse, automatically changes from one of said control functions to another of said control functions.

8. (Original) A diagnostic device as claimed in claim 1 wherein said imaging system, upon briefly right-clicking of said mouse, displays a text menu identifying said plurality of control functions on said display.

9. (Previously presented) A diagnostic device as claimed in claim 1 wherein said imaging system selects said one of said control functions exclusively dependent on said one of said predetermined directions detected by said detector.